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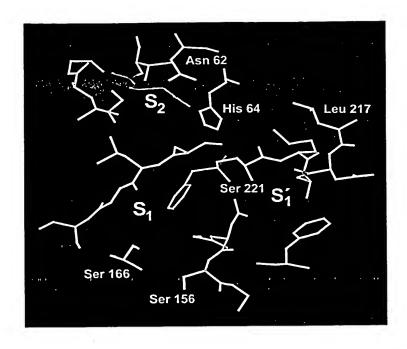


Fig. 1

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Scheme 2

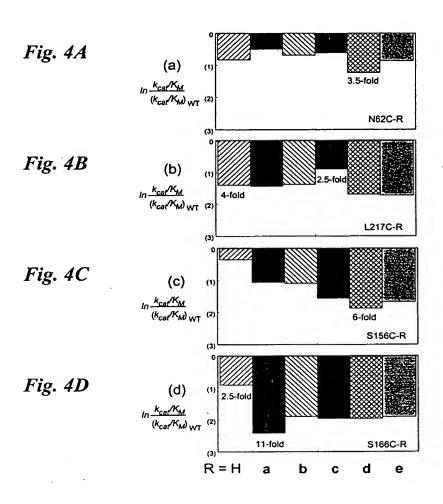
Fig. 2

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Fig. 3

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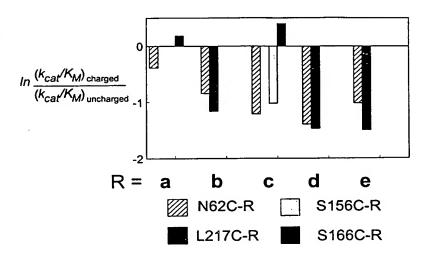


Fig. 5

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Chemically Modified Enzymes with Multiple Charged Varia

Scheme 3

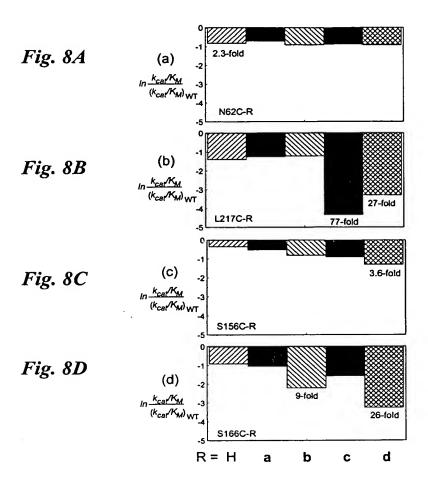
Fig. 6

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Scheme 4

OH (a) OH (b) OH (c) OH (c) OH
$$A_{2N} = A_{2N} = A_{2N}$$

Fig. 7



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Scheme 5

SBL SH +
$$H_3C$$
 SSR $pH 9.5$ SBL SR R

S166C 1a-1g S166C-S-R

Fig. 9

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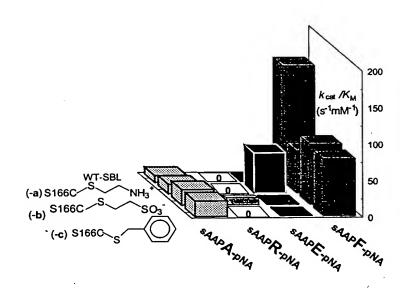


Fig. 10

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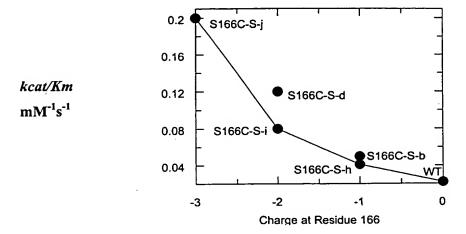


Fig. 11